

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20060152553"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:47
S2	1	(body first second crystal grain boundry ratio lead) and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:15
S3	1	(zirconium oxide) and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 10:28
S4	1	("zirconium oxide") and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:23
S5	2	jp-10217458-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:42
S6	0	jp-206454-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:42
S7	1	jp-3206454-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:43
S8	1	1998-328331.NRAN.	DERWENT	OR	ON	2007/10/16 10:42
S9	0	jp-6168624-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:43
S10	0	jp-168624-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:45
S11	0	jp-0168624-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:46

S12	1	jp-04341448-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:46
S13	2	jp-06168624-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:46
S14	2	jp-2003317230-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:47
S15	386	((Nakagawa with Tohru). in. (Torii with Hideo).in.) and (Matsushita Electric). as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:49
S16	9	S15 and ((pin with hole) (porous with surface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:51
S17	3536	347/68-72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/16 10:52
S18	2	(piezoelectric electrode crystals zirconium oxide grain boundary ratio lead). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 10:53
S19	2	(US-20060152553-\$.did. or (US-6294860-\$.did.	US-PGPUB; USPAT	OR	ON	2007/10/16 11:15
S20	1	(zirconium oxide crystal grain boundry ratio lead) and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:16
S21	1	(zirconium oxide crystal grain boundry ratio) and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:16
S22	2	(zirconium oxide crystal grain ratio) and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:16
S23	2	(zirconium oxide crystal grain ratio lead) and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:17

S24	2	("zirconium oxide") and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:44
S25	1237	310/358,359.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:45
S26	213	252/62.9pz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:45
S27	1827	501/134.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/10/16 11:45
S28	3676	347/68-72.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:37
S29	1288	310/358,359.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:37
S30	225	252/62.9pz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:37
S31	1847	501/134.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:37
S32	43	(zirconium oxide lead larg \$2 composition).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:38
S33	60	(zirconium lead larg\$2 composition).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:39
S34	6833	S28 or S29 or S30 or S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:39

S35	2	S33 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:39
S36	1297	(zirconium lead composition).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:40
S37	49	S34 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:40
S38	66	(zirconium lead composition piezoelectric).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:41
S39	31	S34 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/23 11:41
S40	6	("5508953"   "6097133"   "6142615"   "6194818"   "6494567"   "6969157").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/23 11:50
S41	0	S39 and S40	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/23 11:53
S42	0	S39 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:53
S43	37	S39 or S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:53
S44	30	(zirconium same lead same composition) and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:53
S45	27	(zirconium with lead with composition) and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:54
S46	13	(zirconium with lead with composition) same (grain with boundary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:55

S47	4	S34 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:55
S48	2	("20030222947"   "6121647").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/23 11:56
S49	1	(zirconium with lead with molar with ratio) and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:58
S50	11	(zirconium with lead with molar with ratio) and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 11:58
S51	99	(larg\$2 great\$2 more) with zirconium with lead with ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 12:14
S52	6	S34 and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 12:14
S53	421	347/70.ccls.	USPAT	OR	ON	2008/04/23 14:33
S54	0	pzt and zerconium and titanium and lead and oxygen and electrode and S53	USPAT	OR	ON	2008/04/23 14:34
S55	0	pzt and zerconium and titanium and lead and electrode and S53	USPAT	OR	ON	2008/04/23 14:34
S56	141	pzt and lead and electrode and S53	USPAT	OR	ON	2008/04/23 14:34
S57	0	pzt and lead and zerconium and electrode and S53	USPAT	OR	ON	2008/04/23 14:35
S58	1	(piezoelectric aggregate crystals zirconium oxide grain boundary ratio).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/10/06 16:37
S59	3	(piezoelectric crystals zirconium oxide grain boundary ratio).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/10/06 16:38
S60	3	(piezoelectric crystals zirconium oxide grain boundary ratio lead).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/10/06 16:38

S61	3	(piezoelectric zirconium oxide grain boundary ratio lead).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/10/06 16:39
S62	3	(piezoelectric zirconium oxide grain boundary ratio lead)and S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/10/06 16:40
S63	3	(zirconium oxide grain boundary ratio lead)and S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/10/06 16:40
S64	1530	(zirconium oxide ratio lead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/10/06 16:43
S65	231	(zirconium oxide ratio lead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/10/06 16:43
S66	60	S65 and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/10/06 16:43
S67	39	S65 same piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2008/10/06 16:43
S68	33	(zirconium with oxide with ratio with (larger greater more) with lead)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 16:51
S69	10	(US-20060152553-\$ or US-20030173871-\$ or US-20040104981-\$).did. or (US-6294860-\$ or US-6312816-\$ or US-6097133-\$ or US-7348715-\$ or US-4849384-\$ or US-5475279-\$).did. or (US-2729757-\$). did.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/06 17:00
S70	9	zirconium with lead and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 17:00

S71	0	((vacuum near4 sputter\$3) same (nitrogen with atmosphere)) and ((zirconium and lead) near4 hydroxide) and (piezoelectric with ((concentration with gradient) grain with boundary\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:14
S72	0	((vacuum near4 sputter\$3) same (nitrogen with atmosphere)) and ((zirconium and lead) near4 hydroxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:15
S73	1	((vacuum with sputter\$3) and (nitrogen with atmosphere)) and ((zirconium and lead) near4 hydroxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:15
S74	1	((vacuum with sputter\$3) and (nitrogen with atmosphere)) and ((zirconium and lead) near4 hydroxide) and ((concentration with gradient) grain with boundary\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:16
S75	1	((vacuum with sputter\$3) and (nitrogen with atmosphere)) and ((zirconium and lead) near4 hydroxide) and ((concentration with gradient) (grain with boundary\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:16
S76	1	(nitrogen with atmosphere) and ((zirconium and lead) near4 hydroxide) and ((concentration with gradient) (grain with boundary\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:16
S77	1	(vacuum with sputter\$3) and ((zirconium and lead) near4 hydroxide) and ((concentration with gradient) (grain with boundary\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:16
S78	1	(vacuum and nitrogen) and ((zirconium and lead) near4 hydroxide) and ((concentration with gradient) (grain with boundary\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:16
S79	1387	(vacuum and nitrogen) and (zirconium and lead) and ((concentration with gradient) (grain with boundary\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:17

S80	20	(vacuum and nitrogen) same (zirconium and lead) and ((concentration with gradient) (grain with boundary\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:17
S81	3	S80 and piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/07 09:18

10/7/2008 10:03:46 AM

C:\Documents and Settings\gmruk\My Documents\EAST\Workspaces\10539679.wsp